Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/09/2015 11:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125132	0	2.39	124975	2.35
Blue	F	SSC	125000	123449	-2	3.13	124364	2.95
Blue	E	FITC	17998	17553	-3	2.50	989	8.37
Blue	D	PE	23234	22754	-3	2.04	1026	7.55
Blue	B	PerCP-Cy5-5	69571	68393	-2	2.72	1795	12.36
Blue	A	PE-Cy7	77815	77739	-1	3.67	1021	23.27
Red	C	APC	65936	65825	-1	2.42	3719	7.75
Red	A	APC-Cy7	100669	100177	-1	2.49	1979	7.61
Violet	B	V450	10405	9918	-5	4.04	616	8.34
Violet	A	V500	47250	45938	-3	3.83	2594	6.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19746	9.47	592	13	N/A	N/A	Pass
Blue	F	SSC	61766	2.14	505	16	N/A	N/A	Pass
Blue	E	FITC	108	32.58	522	7	0.0287	56	Pass
Blue	D	PE	213	23.06	515	8	0.1994	141	Pass
Blue	B	PerCP-Cy5-5	219	36.06	599	9	0.0126	0	Pass
Blue	A	PE-Cy7	77	93.52	656	10	0.0171	15	Pass
Red	C	APC	347	25.42	580	2	0.0233	33	Pass
Red	A	APC-Cy7	124	36.74	561	2	0.0052	785	Pass
Violet	B	V450	64	42.12	462	12	0.0462	1765	Pass
Violet	A	V500	169	20.63	502	14	0.0138	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.40	-31.26	0.74
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.19
Red	16.57	13.07 - 19.61	N/A	N/A	31.84	32.09	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9633

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments